Assistments Practice 1 Name: _____

****Must show work OR explain why you chose the answer you did to receive ANY CREDIT!!!

1. What value for x makes the equation true?

$$\sqrt{x} = 6$$

a 36
b 3
c 18
d 12

2. At 6:00pm the temperature was -14.8°F. During the night, the temperature decreased by 8.7°F. What was the temperature after the decrease?

a -23.5°F
b -22.5°F
c -6.1°F
d -5.9°F

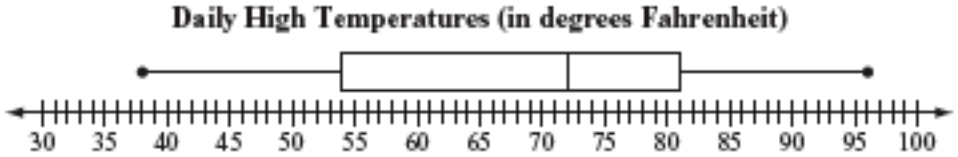
3. Hannah's mean score on four mathematics tests is 92.75. What is the sum of the scores of Hannah's four tests?

a 368
b 370
c 371
d 372

4. In Mr. Montgomery's class, there are 8 boys and 12 girls. If Mr. Montgomery selects 1 student from his class at random, what is the probability the student will be a girl?

a 2/3
b 3/5
c 1/12
d 1/20

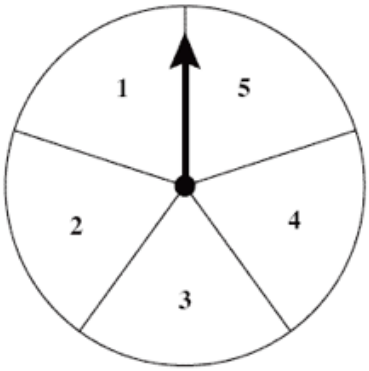
5. The box-and-whisker plot below shows the distribution of the daily high temperatures, in degrees Fahrenheit, in the town of Clifton during the year 2004.



Use the box-and-whisker plot to determine which of the following intervals of temperatures show where exactly 50% of the daily high temperatures are located?

a 38°F to 54°F
b 38°F to 81°F
c 54°F to 72°F
d 54°F to 81°F

6. To win a game, Yepa must get a sum of 8 on her next two spins of the arrow on the spinner shown below. All the sections of the spinner are of equal size.



What is the probability that the results of Yepa's next two spins will have a sum of 8?

a 0
b 1/25
c 3/25
d 8/25

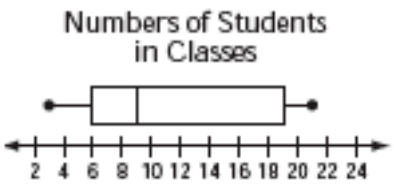
7. A community center offers classes for students.

◊ The range of the number of students in each class is 13.

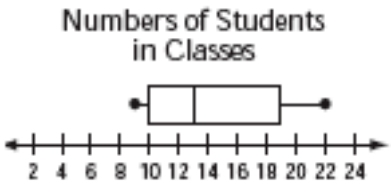
◊ The median number of students in each class is 9.

Which of the following box-and-whisker plots could represent the numbers of students in the classes?

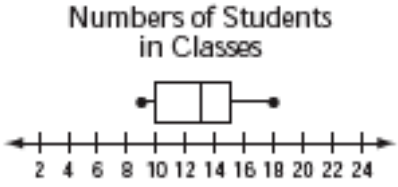
a



b



c



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